

F26 *BOC Edwards Rotary Vane Vacuum Pumps*

BOC Edwards RV Dual-Mode Two Stage Vacuum Pumps



The BOC Edwards RV pump conforms to the following standards: IEC 1010; EN1012; IP44; CSA; CE; manufacturing unit certified to ISO9001 (BS5750).

- **The standard pumps for mass spectrometers**
- **Selectable dual mode**
 - high vacuum for best pressure
 - high throughput mode for continuous inlet pressure above 50 mbar
- **Easy to use gas ballast**
- **ON-OFF switch on pump**
- **Low Noise Level: 48 dbA**
- **All pumps factory tested and certified**
- **Easy to service and maintain**
- **High torque, dual voltage, dual frequency motor**

To meet the requirements for high throughputs with low ultimate vacuum, BOC Edwards has developed a totally new concept in rotary vacuum pumps. The world's first dual-mode pump.

The unique dual-mode action allows you to easily configure the unit to pump very high gas loads and also achieve excellent vacuum - all from a single pump. In most cases it increases performance at significantly reduced noise levels.

This radical operation is matched by innovative design features including a cartridge based pumping mechanism incorporating advanced new materials, a fully featured BOC Edwards motor and a fast acting inlet valve to seal the pump for suck-back protection.

The pumps are easy to install, use and maintain with superior build quality to give lowest cost of ownership.

To build a pump this advanced, BOC Edwards has invested heavily in state-of-the-art manufacturing and assembly technology in a dedicated ISO9001 factory.

To meet the stringent requirements for ever quieter environments we have built into the BOC Edwards RV range the results of an extensive program of noise research into the pump, drive train and motor. This has reduced both overall noise levels and improved the subjective quietness by "tuning out" those frequencies which are both intrusive and irritating. Before shipment each pump is tested in a quiet room using a noise spectrum analyzer.

BOC Edwards RV - easy to install, use and maintain

Installation is easy as all BOC Edwards RV pumps feature a special dual voltage, dual frequency motor with an IEC mains input socket. Simply plug in the appropriate cable. No need for hard wiring. An on/off switch controls the pump.

Motor voltage is determined by a simple rocker switch, enabling the pump to be easily configured for use internationally.

All controls are clearly marked and have large finger grips for ease of use. Inlet and outlet are both fitted with standard NW25 flanges.

No special tools are required for servicing. The shaft seal can be changed or repositioned without dismantling the pump. Easy dismantling for cleaning is a feature. In addition, we provide service kits of guaranteed BOC Edwards parts.

